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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/822,072	04/08/2004	Shinichi Hasegawa	09812.0524-00000	2104
22852	7590	11/15/2007	EXAMINER	
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP			TO, TUAN C	
901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413			ART UNIT	PAPER NUMBER
			3663	
			MAIL DATE	DELIVERY MODE
			11/15/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/822,072

Applicant(s)

HASEGAWA ET AL.

Examiner

Tuan C. To

Art Unit

3663

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 October 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2 and 12-17 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 2, and 12-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 04 August 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>10/12/2007</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1, 2, 12-17 are rejected under 35 U.S.C. 112 (second paragraph) as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1 and 14 recites the limitation "the navigation system" in the claims.

There is insufficient antecedent basis for this limitation in the claim.

Claims 2, 12, 13, and 15-17 are rejected for the same reason.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

Claims 1, 12, 14, and 16 are rejected under 35 U.S.C. 102 (e) as being anticipated by Carroll et al. (US 20030097211A1).

As to claims 1 and 14, Carroll et al. teaches an on-board apparatus mounted on a vehicle comprising: a getting means for getting vehicle model information by determining a connector that is used to connect to an on-board signal outlet, such as OBD-II to receive diagnostic code. In figure 3a, the user interface provides a list of vehicle' country (vehicle model information) for user to select. Carroll et al. teaches the computer system (200) for recognizing vehicle model based on the input signal from the user interface (Carroll et al., figure 2, page 3, paragraph 0037). Carroll et al. further teaches a function setting means which is the button (32) (Carroll et al. figure 3b) and another button shown in figure 3c. All of said buttons are utilized to set the design information related to function or operation of the vehicle (Carroll et al., figure 3d, including a list of design data-manufacturer, year, model has been set). Carroll et al. further teaches a display device for displaying function design of the vehicle set by said buttons (Carroll et al., figure 2, display 212).

In paragraph 0027, the remote service provider (150) maintains a user database (154) and a service database (152) which stores various types of data such as service data for various automotive services and vehicle models (paragraph 0027, lines 10 and 11), software applications, specifications, parameter, user's manual, and other data related to vehicle diagnoses. In paragraph 0036, Carroll et al. teaches that a user can submit a request to access a web page from the remote service provider (150). The web pages contains user information for the user to retrieve data stored in service

database (152) into user database (154). At this point, it is clear that the database (154) stores the vehicle model information downloaded from the service database (152). In addition, the user interface disclosed shown in figure 3b including a layout of screen, thus the storage device (21) as seen in figure 2 comprises information necessary for layout screen as seen in figures 3b-3d.

As to claims 12, and 16, the layout screen in figures 3b and 3c includes selection box for user setting a specific data to model, year of the a vehicle, and therefore in order to that happen, the storage devices shown in figure 2 should store function setting information.

Claims 2 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carroll et al. (US 20030097211A1) and in view of Kataghishi (US 20040210363A1).

Carrol et al. teaches an on-board apparatus mounted on a vehicle comprising: a getting means for getting vehicle model information. For example, in figure 3a, the user interface provides a list of vehicle' country (vehicle model information) for user to select.

Carrol et al. teaches the computer system (200) for recognizing vehicle model based on the input signal from the user interface (Carrol et al., figure 2, page 3, paragraph 0037).

Carrol et al. further teaches a function setting means which is button (32) (Carrol et al. figure 3b) and another button shown in figure 3c. All of said buttons are utilized to set the design information related to function or operation of the vehicle (Carrol et al., figure 3d, including a list of design data-manufacturer, year, model has been set).

Carrol et al. further teaches a display device for displaying function design of the vehicle set by said buttons (Carrol et al., figure 2, display 212). Carrol et al. fails to teach storage means for storing the vehicle model information and related design information of function information.

The reference to Katagishi et al. provided to cure the missing features from Carrol et al. by teaching an on-board apparatus to be mounted on a vehicle (Katagishi et al, figure 1, onboard apparatus 3), wherein said on-board apparatus (3) comprises a storage device (34) that stores vehicle model information such as manufacturer ID, car ID, etc. (Katagishi et al., page 3, paragraph 0032, line 7).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the onboard apparatus as taught by Carroll et al. to include the storage device that stores vehicle model information as taught by Katagishi et al. in order to retrieves download information related to a vehicle from a list of vehicle that have previously had vehicle repair services.

Claims 13 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carroll et al. (US 20030097211A1) and in view of Borgesson (US 20050203684A1).

Carroll et al. fails to include "function setting information comprises at least one of a navigation function, a mileage measuring function, and a night-vision function".

Borgesson teaches a vehicle control system and method including "function setting information comprises at least one of a navigation function, a mileage measuring function, and a night-vision function" (see paragraph 0080).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to substitute the teachings of Borgesson into the system of Carroll et al. so that the operator user can keep track on the mileage history of a selected vehicle via a screen.

Response to Applicant's Arguments

The applicant's requested for continued examination has been fully considered. However, the application cannot be placed in a condition of allowance because the claims are still rejected based on the cited prior art.

Conclusions

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan C To whose telephone number is (571) 272-6985. The examiner can normally be reached on from 8:00AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Keith can be reached on 571-272-6878.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

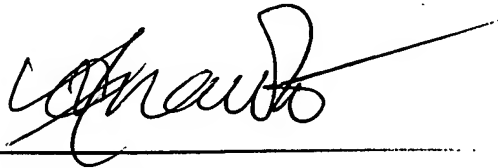
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

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you have questions on access to the Private PAIR system, contact the Electronic
Business Center (EBC) at 866-217-9197 (toll-free).

Patent Examiner,

A handwritten signature in black ink, appearing to read 'Tuan C To', is written over a horizontal line.

Tuan C To

November 8, 2007